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ATTORNEY DOCKET NO. APPLICATION NO. FILING DATE FIRST NAMED INVENTOR CONFIRMATION NO. 10/631,130 07/31/2003 Tz-Cheng Chiu TI-35061 (1962-07300) 2476 **EXAMINER** 23494 7590 03/15/2004 TEXAS INSTRUMENTS INCORPORATED LEE, CALVIN POBOX 655474, M/S 3999 ART UNIT PAPER NUMBER DALLAS, TX 75265 2825

DATE MAILED: 03/15/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

			pw
	Application No.	Applicant(s)	
Office Action Summary	10/631,130	CHIU, TZ-CHENG	
	Examiner	Art Unit	
	Lee Calvin	2825	
The MAILING DATE of this communication a Period for Reply	ppears on the cover sheet w	with the correspondence address	
A SHORTENED STATUTORY PERIOD FOR REP THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a re - If NO period for reply is specified above, the maximum statutory perio - Failure to reply within the set or extended period for reply will, by state Any reply received by the Office later than three months after the mai earned patent term adjustment. See 37 CFR 1.704(b).	1.136(a). In no event, however, may a seply within the statutory minimum of the dwill apply and will expire SIX (6) MC ute, cause the application to become A	a reply be timely filed airty (30) days will be considered timely. DNTHS from the mailing date of this communicatio ABANDONED (35 U.S.C. § 133).	n.
Status			
1) Responsive to communication(s) filed on	·		
,	nis action is non-final.		
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is			
closed in accordance with the practice under	Ex parte Quayle, 1935 C.	D. 11, 453 O.G. 213.	
Disposition of Claims			
4) ☐ Claim(s) 1-24 is/are pending in the application 4a) Of the above claim(s) is/are withdreds 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) 1-24 are subject to restriction and/or	rawn from consideration.		
Application Papers		·	
9) The specification is objected to by the Examination The drawing(s) filed on is/are: a) and accomplicated any not request that any objection to the Replacement drawing sheet(s) including the correction of the output of the second se	ccepted or b) objected to e drawing(s) be held in abeya ection is required if the drawin	ance. See 37 CFR 1.85(a). g(s) is objected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		•	
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 			
Attachment(s)			
1) Notice of References Cited (PTO-892)		Summary (PTO-413)	
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date 		(s)/Mail Date Informal Patent Application (PTO-152) 	

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Tz-Cheng CHIU

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Docket No: TI-35061

OFFICE ACTION

Election/Restriction

1. Claims 1-24 are pending in this application.

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- (I) Claims 1-10, drawn to an apparatus comprising a composite lid for a semiconductor package, classified in class 713, subclass 500.
- (II) Claims 11-18, drawn to a method of assembling a semiconductor die in a package, classified in class 438, subclass 108.
- (III) Claims 19-24, drawn to a packaged semiconductor device comprising an integrated die and a composite lid in a semiconductor package, classified in class 257, subclass 705.
- 2. The inventions are distinct, each from the other because of the following reasons:

Inventions I, II, and III are related as apparatus, process of making, and a product made, respectively. The inventions are distinct if it can be shown that either or all of the following can be shown: (1) the apparatus as claimed can be used to practice another and materially different process, (2) the process as claimed can be practiced by another materially different apparatus, (3) the process as claimed can be used to make other and materially different product, (4) the product as claimed can be made by another and materially different process, (5) the apparatus as claimed is not an obvious apparatus for making the product and the apparatus can be used for making a different product, (6) the product as claimed can be made by another and materially different apparatus. (MPEP § 806.05(e),(f),(g), respectively). In the instant case, unpatentability of one group invention would not necessarily imply unpatentability of any other group invention. For example, the composite lid (comprising two materials of different modulus of elasticity) can be found at any part of a semiconductor package, not restrict to the back surface of the integrated circuit die; or that the composite lid is deposited on any part of the package, not necessarily apply an attach compound (some form of the composite lid) to a perimeter of the package.

Because these inventions are distinct for the reasons given above (a separate status in the art as shown by their different classification, their recognized divergent subject matter, and lastly a search required for any one Group being not required for other Groups), restriction for examination purposes as indicated is proper.

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3. Applicant is advised that the reply to this requirement to be completed must include an election of the invention to be examined even though the requirement is traversed (37CFR 1.143)

Contact Information

4. Any inquiry concerning this communication from the Examiner should be directed to Calvin Lee at (571) 272-1896 from 7:00 to 17:00 (Monday-Thursday). If attempts to reach the examiner by telephone are unsuccessful, Art Unit 2825's Supervisory Patent Examiner Matthew Smith can be reached at (571) 272-1907.

Any inquiry relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 308-0596. The fax phones are (703) 872-9318 for regular communications and (703) 872-9319 for After-Final communications.

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February 25, 2004.

CARIDAD EVERHART PRIMARY EXAMINER